

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph on page 6, line 2-page 7, line 8 with the following amended paragraph:

The method for changing channel information in a digital TV receiver of the present invention starts with demultiplexing a received transport stream at fixed intervals and extracting PATs therefrom (S101). Then, a version number is detected from the extracted PAT (S102), and it is determined whether the version number is changed or not (S103). If it is found that the version number is changed as a result of the determination (S103), it is determined whether the repeater is switched or not (S104). And, if the repeater is not switched, it is determined that the version number change comes from a channel information change. In this instance, if each repeater has its own transmission station, a new parsing is not required in a case a version change is caused by the switch of the repeater because there are cases when the version number change comes from difficulty in matching versions caused by different situation of the transmission station even if contents of the SI (Service Information) are identical. For example, in the case of Korean Mugungwha satellite, even if version numbers of the Mokdong transmission station and the Yongin transmission station are different, the SI information is the same. Therefore, as a result of the determination (S104), if it is found that the repeater is not switched, which implies that the SI is changed, the version number change is determined to be an actual channel information change, the changed version number is stored, and a PAT parsing is started (S105). Then, the PAT parsing conducted presently is determined of being an initial parsing (S106). As a result of the determination (S106), if it is found that the PAT parsing conducted presently is

the initial PAT parsing, each channel information is detected, stored in First_DB, and forms EPG_First (S107). The First_DB is a memory for providing a data base of the initial PAT parsing channel information, and the EPG_First is a memory for storing a channel architecture, both are named by the inventor. As a result of the determination (S106), if it is found that the PAT parsing conducted presently is not the initial PAT parsing, the initial EPG_First is cleared (S108), each channel information of the change version is detected, stored in Changed_DB, and forms EPG_Changed (S109). In this instance, the Changed_DB is a memory for providing a data-base of the change channel information after the First_DB, ~~an~~ and the EPG_Changed is a memory for storing change channel architecture after the EPG_First, which is named by the inventor. The subroutine (S107) or the subroutine (S109) is conducted, and a PMT start command is provided upon completion of the PAT parsing (S110). Then, the process stands by for reception of a PMT parsing completion signal, to return to the initial subroutine (S111).